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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLOG.

HELENA, MONTANA

Vol. XIX, No. 1 — JANUARY, 1971

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1971 averaged 100,228 barrels daily, a decrease of 908 barrels from the average December, 1970 production of 101,136.

The nine refineries in the state processed 120,648 barrels of crude oil daily for the month of January, 1971, a decrease of 2,230 barrels from the 122,878 barrels procesed daily during the month of December, 1970.

During January 47 wells were completed, 11 oil, 3 gas and 33 dry holes.

During January the commisslon issued 21 permits to drill new wells, a decrease of 37 from the 58 permits issued during December.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF JANUARY, 1971

IN STORAGE JANUARY 1st	
By Producers	336,076
By Transporters	1,501,692
By Refiners	1,002,035
TOTAL STORAGE	2,839,803
Produced in Montana During Month	3,107,056
Imported Durlng Month	3,085,501
TOTALS	9,032,360
DISPOSITION:	
Refined in Montana	3,740,118
Exported	2,633,999
Used for Fuel or Lost	2,526
TOTAL	6,376,643
IN STORAGE JANUARY 31st	
By Producers	335,971
By Transporters	1,420,817
By Refiners	898,929
TOTAL STORAGE	2,655,717

NATURAL GAS WITHDRAWALS IN MONTANA

Month of January, 1971

Field	M. Cu. Ft.
Bell Creek	283,899
Big Coulee	154,794
Blackjack	91,274
Bowdoin	418,846
Bowes	28,503
Cabin Creek	103,353
Cedar Creek	1,865,615
Cut Bank (including Reagan)	626,952
Dry Creek	45,089
Elk Basin	73,554
Flat Coulee	16,314
Gold Butte	0
Grandview	56,030
Hardin	1,641
Keith Block	177,688
Kevin Sunburst	56,579
Lake Basin	85,111
Middle Butte	2,734
Mt. Lilly	51,384
Pine	50,923
Plevna	10,895
Tiger Ridge—Squaw Coulee	169,842
Utopia	64,853
Whitlash	134,581
Miscellaneous	146,817
TOTAL	4,717,271

Total Withdrawals for January, 1970 were 4,954,295.

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PRODUCERS REPORT — MONTH OF JANUARY, 1971

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	28	1,944	—	1,943	—	29
1	Bainville	1	2,874	5,270	—	5,172	—	2,972
—	Bannatyne	—	573	—	—	—	—	573
—	Bascom	—	165	—	—	—	—	165
3	Bear's Den	3	2,343	1,235	—	1,661	—	1,917
53	Bell Creek	360	41,234	544,516	540,459	—	693	44,598
—	Benrud	—	120	—	—	—	—	120
2	Benrud East	2	1,157	13,753	13,553	—	—	1,357
1	Benrud Northeast	1	1,075	2,207	2,240	—	—	1,042
—	Berthelote	—	69	—	—	—	—	69
5	Big Wall	16	2,320	9,180	9,802	—	39	1,659
4	Blackfoot	6	1,081	1,685	1,538	—	—	1,228
5	Border	5	386	550	—	550	—	386
1	Bowes	52	8,104	11,852	11,828	—	—	8,128
1	Bradley	1	334	624	699	—	—	259
—	Brady	—	360	—	—	—	—	360
4	Brorson-Madison	4	2,322	5,234	—	6,181	—	1,375
6	Brorson-Red River	6	5,558	18,496	—	18,980	—	5,074
3	Brorson-Red River South	3	997	9,337	—	7,965	—	2,369
5	Brush Lake	5	2,222	36,753	37,916	—	—	1,059
2	Cabin Creek	94	—	316,496	316,496	—	—	—
1	Canal	1	1,246	14,706	—	14,802	—	1,150
11	Cat Creek	53	2,483	14,511	13,337	714	—	2,943
—	Clark's Fork	—	56	—	—	—	—	56
1	Clark's Fork South	1	210	3,039	—	3,129	—	120
3	Conrad South	3	173	802	802	—	—	173
2	Cow Creek	2	363	1,451	—	1,063	—	751
1	Culbertson	1	702	1,987	—	1,456	520	713
2	Cupton	2	1,800	3,837	—	3,491	—	2,146
161	Cut Bank	856	54,437	525,724	526,652	—	61	53,448
—	Dean Dome	—	65	—	—	—	—	65
2	Deer Creek	2	454	1,431	1,324	—	—	561
1	Delphia	1	510	119	—	401	—	228
—	Devil's Basin	—	671	—	—	—	—	671
3	Dwyer	14	3,863	25,592	25,284	—	—	4,171
3	Elk Basin	45	835	161,200	161,069	—	—	966
5	Elk Basin Northwest	9	8,728	8,649	9,630	—	—	8,017
6	Fairview	10	9,432	48,711	21,864	27,106	621	8,552
2	Fertile Prairie	2	624	1,300	—	1,215	—	709
7	Flat Coulee	25	5,727	8,412	8,676	—	—	5,463
46	Flat Lake	65	5,475	65,763	66,270	—	—	4,968
3	Flat Lake South	3	933	4,181	3,698	—	—	1,416
1	Ft. Gilbert	1	1,568	23,946	—	25,069	—	445
1	Frannie	1	—	1,395	1,395	—	—	—
11	Fred & George Creek	34	1,928	26,417	26,415	—	—	1,930
—	Gage	—	31	—	—	—	—	31
3	Gas City	17	6,795	26,943	24,236	4,079	—	5,423
2	Girard	2	1,607	5,484	—	5,433	—	1,658
11	Glendive	15	3,486	27,959	28,065	—	—	3,380
28	Goose Lake	34	5,797	39,556	39,380	—	—	5,973
9	Graben Coulee	16	3,966	4,461	1,739	2,314	—	4,374
2	Hay Creek	2	863	9,412	9,685	—	—	590
5	Hiawatha	5	3,045	7,784	7,631	—	—	3,198
1	Hibbard	1	590	320	—	—	—	910
1	Injun Creek	1	734	1,073	—	1,040	—	767
5	Ivanhoe	11	2,417	5,861	5,423	—	—	2,855
1	Jim Coulee	1	168	1,467	1,130	—	—	505
4	Keg Coulee	22	4,826	15,221	16,499	—	—	3,548
2	Keg Coulee North	2	768	639	415	—	—	992
1	Kelley	1	651	4,089	4,157	—	—	583
48	Kevin Sunburst	300	8,070	15,615	12,940	2,212	125	8,402
7	Laird Creek	9	1,146	3,716	—	4,040	—	822
3	Leary	3	1,680	1,782	—	2,293	88	1,081
1	Little Beaver	23	—	29,005	29,005	—	—	—
2	Little Beaver East *	13	1,459	15,912	15,857	—	—	1,514
1	Little Wall Creek	1	906	6,409	6,291	—	—	1,024
1	Lodge Grass	1	970	334	—	802	—	502
3	Lookout Butte (Coral Creek)	31	706	72,869	73,006	—	—	569
—	Mackay Dome	—	1,134	—	—	—	—	1,134
2	Mason Lake	2	419	822	996	—	—	245
3	Melstone	4	1,266	1,861	1,560	—	—	1,567
1	Mineral Bench	1	743	461	853	—	—	351
1	Miner's Coulee	1	107	254	—	254	—	107
11	Monarch	14	3,692	17,979	12,373	4,387	—	4,911
2	Otis Creek	2	1,246	4,060	—	3,773	—	1,533
6	Outlook	9	8,100	14,783	15,789	—	—	7,094
1	Outlook South	1	1,199	1,191	1,397	—	—	993
2	Outlook West	2	1,315	2,745	1,871	—	—	2,189
1	Pennel-Lookout Butte	112	—	135,400	135,400	—	—	—
4	Pine	112	17,340	267,592	267,529	—	—	17,403
—	Pole Creek	—	68	—	—	—	68	—
61	Pondera	264	7,036	22,198	22,748	—	—	6,486
7	Poplar	66	7,521	57,124	55,832	—	9	8,804
3	Poplar Northwest	3	1,147	1,367	1,619	—	—	895
—	Prairie Elk	—	346	—	—	—	—	346
3	Pritchard Creek	3	167	1,024	1,024	—	—	167
4	Ragged Point	12	2,120	8,369	8,207	—	—	2,282
2	Rattlesnake Coulee	2	976	550	1,022	—	—	504
2	Reagan	46	386	20,122	20,041	—	—	467
1	Red Creek	21	—	17,632	17,632	—	—	—
1	Red Fox	1	91	932	914	—	—	109
1	Redstone	1	569	2,633	2,608	—	—	594
1	Repeat	1	220	987	—	697	—	510
5	Reserve	5	—	8,715	8,715	—	—	—
1	Richey	1	249	428	—	—	2	675
1	Richey Southwest	6	14	3,372	—	2,442	—	944
—	Rough Creek	—	266	—	—	—	—	266
1	Rush Mountain	1	630	3,107	2,983	—	—	754
2	Salt Lake	2	289	2,625	—	1,822	—	1,092
5	Sand Creek	8	2,782	6,820	5,753	—	—	3,849
1	Shotgun Creek	1	15	136	—	—	—	151
1	Sidney	1	250	422	—	422	100	150
1	Snyder	4	518	550	—	368	—	700
4	Soap Creek	14	3,400	3,733	—	3,883	—	3,250
1	Spring Lake	2	1,815	2,512	—	2,558	—	1,769
1	Stensvad	5	2,959	34,043	34,165	—	—	2,837
10	Sumatra	78	8,605	52,408	53,681	—	—	7,332
5	Tule Creek	6	2,983	29,073	24,847	3,818	—	3,391
2	Tule Creek East	2	1,081	9,249	9,396	—	—	934
2	Tule Creek South	3	1,622	3,883	4,267	—	59	1,179
2	Vida	2	821	967	—	892	—	896
4	Volt	4	3,032	12,902	13,443	—	—	2,491
2	Weed Creek	3	317	2,841	2,805	—	2	351
3	Weldon	7	2,062	15,559	16,002	—	—	1,619
1	West Butte	1	—	568	—	568	—	—
14	Whitlash	39	6,458	10,401	9,755	—	40	7,064
—	Whitlash West	—	433	—	—	—	—	433
3	Willow Creek North	4	1,362	8,513	8,715	—	—	1,160
2	Wills Creek South	2	—	3,298	3,298	—	—	—
6	Wolf Springs	8	2,622	4,638	3,887	—	—	3,373
2	Woodrow	2	166	2,342	2,204	—	—	304
3	Wright Creek	5	2,144	3,436	4,075	—	—	1,505
—	Wildcat, Blaine Cty	—	404	—	—	—	—	404
—	Wildcat, Carbon Cty	—	310	—	—	—	—	310
—	Wildcat, Daniels Cty	—	174	—	—	—	—	174
1	Wildcat, Fallon Cty	3	1,050	9,979	—	9,722	—	1,307
2	Wildcat, Glacier Cty	5	785	974	913	—	—	846
1	Wildcat, Liberty Cty	1	299	58	—	—	—	357
3	Wildcat, Richland Cty	3	1,609	44,352	—	44,884	—	1,077
1	Wildcat, Roosevelt Cty	1	1,056	26,850	—	26,672	—	1,234
726	Total	3,113	336,076	3,107,056	2,854,461	250,273	2,427	335,971

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1970	37,878,697	103,777	37,852,275	103,705
January, 1971	3,107,056	100,228	3,104,734	100,153

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage	Total Oil In Storage‡
Year, 1970	4,277,891	16,795,112	10,399,079	31,472,082
January, 1971	335,971	1,420,817	898,929	2,655,717

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT — MONTH OF JANUARY, 1971

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,943				1,943		
BAINVILLE—									
Rock Island Oil & Ref. Co.			5,172				5,172		
BEAR'S DEN—Truck			1,661				1,661		
BELL CREEK—Pipeline	62,558	540,459					300,020	239,352	63,645
BIG WALL—									
Continental Pipeline Co.		9,692				9,692			
BLACKFOOT—									
Camerland Cardinal Corp.		1,538						1,538	
BORDER—Permian Corp.			550					550	
BOWES—Texaco Inc.		11,828				11,828			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			33,126					33,126	
BRUSH LAKE—Portal Pipeline Co.		37,918					37,918		
CABIN CREEK & OTHERS—*									
Butte Pipeline Co.	329,402	784,950	19,361	715,333			1,458,573		390,473
Shell Pipeline Co.	3,317	272,702			915			270,771	4,333
	332,719	1,057,652	19,361	715,333	915		1,458,573	270,771	394,806
CANAL—Rock Island Oil & Ref. Co.			14,802				14,802		
CAT CREEK—									
Continental Pipeline Co.		12,636				12,636			
Truck			714			714			
		12,636	714			13,350			
CLARK'S FORK SOUTH—									
Permian Corp.			3,129				3,129		
COW CREEK—West. Crude Oil Corp.			1,063				1,063		
CULBERTSON—Spruce Oil Co.			1,456				1,456		
CUT BANK—									
Continental Pipeline Co.			7,230	403,989				411,219	
Phillips Petroleum Co.	108,627	188,566		9,255	3,924	102,010		152,958	47,556
Texas Pipeline Co.	15,244	60,748		82,895	(852)	144,603			15,136
Union Oil Co.	67,906	63,143		22,992	1,159	91,587			61,295
Western Oil Trans. Co.		78,861						78,861	
Western Oil Trans. Co. (Moulton)		99,094						99,094	
	191,777	490,412	7,230	519,131	4,231	338,200		742,132	123,987
DELPHIA—Truck			401			401			
DWYER—Portal Pipeline Co.		25,282					25,282		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		169,667				169,667			
FAIRVIEW—Fairview Pipeline Co.		21,864					21,864		
Rock Island Oil & Ref. Co.			27,106				27,106		
		21,864	27,106				48,970		
FLAT COULEE—									
Camerland Cardinal Corp.		8,245				8,245			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		64,269					64,269		
FT. GILBERT—Truck			25,069				25,069		
FRANNIE—Interstate Pipeline Co.		1,395					1,395		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	14,589	28,039				27,544		1,740	13,344
GIRARD—Rock Island Oil & Ref. Co.			5,433				5,433		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	10,742	29,103			258			29,861	9,726
GOOSE LAKE—									
Portal Pipeline Co.		35,120					35,120		
HAY CREEK—									
Fairview Pipeline Co.		9,685					9,685		
HIAWATHA—									
Continental Pipeline Co.		7,631					7,631		
INJUN CREEK—Permian Corp.			1,040				1,040		
IVANHOE—									
Continental Pipeline Co.		5,456				5,456			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		16,954				16,034	920		
KELLEY—									
Continental Pipeline Co.		4,157				4,157			
KEVIN SUNBURST—									
Big West Oil Co.	8,456	12,832				12,641			8,647
Homestake Oil & Gas Co.	4,086	1,304				1,722			3,668
Texas Pipeline Co.	6,988	6,603						6,306	7,285
	19,530	20,739				14,363		6,306	19,600
LEARY—Permian Corp.			2,293				2,293		
LITTLE WALL CREEK—									
Continental Pipeline Co.		6,685					6,685		
LODGE GRASS—Permian Corp.			802			802			
MASON LAKE—									
Continental Pipeline Co.		996				996			
MELSTONE—									
Continental Pipeline Co.		1,363				1,363			
OTIS CREEK—Truck			3,773				3,773		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		19,026					19,026		
PONDERA—Phillips Petr. Co.	53,164	24,542			487	42,325			34,894
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH AND VOLT—									
East Poplar Gathering System	17,717	78,525			235			73,665‡	22,342
RAGGED POINT—									
Continental Pipeline Co.		6,497				5,789	708		
RED CREEK—									
Western Oil Transportation Co.		19,413						19,413	
RESERVE—Portal Pipeline Co.		9,528					9,528		
RUSH MOUNTAIN—									
Sinclair Refining Co.		2,983					2,983		
SALT LAKE—									
Rock Island Oil & Ref. Co.			1,822				1,822		
SIDNEY—Truck			422					422	
SNYDER—Permian Corp.			368			368			
SOAP CREEK—Permian Corp.			3,883				3,883		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			2,558				2,558		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	794,049	87,882		1,815,094	(7,912)	72,950		1,897,346	734,641
TULE CREEK—									
Permian Corp.	4,847	42,328				43,343			3,832
Spruce Oil Corp.			3,818			3,818			
	4,847	42,328	3,818			47,161			3,832
WEED CREEK—									
Continental Pipeline Co.		2,805				2,805			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		9,800				9,255		545	
WILLOW CREEK NORTH—									
Continental Pipeline Co.		8,715						8,715	
WOLF SPRINGS—									
Continental Pipeline Co.		3,887				3,887			
WILDCAT WELLS—Truck			81,278				81,278		
TOTALS	1,501,692	2,934,716	250,273	3,049,558	(1,786)	806,638	2,185,088	3,325,482	1,420,817

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon & Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JANUARY, 1971

Field	Big West Oil Co	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Spruce Oil Co.	Union Oil Co.	Total
Big Wall	.....	9,692	.....	.....	.....	.....	.....	.....	.....	9,692
Cat Creek	.....	2,584	.....	11,026	.....	42	.....	.....	.....	13,652
Cut Bank	72,282	.....	.....	.....	.....	.....	94,194	.....	.....	166,476
Delphia	.....	.....	.....	.....	.....	14	.....	.....	.....	14
Elk Basin	.....	66,655	.....	43,653	59,359	.....	.....	.....	.....	169,667
Fred & George Creek	27,544	.....	.....	.....	.....	.....	26,592	.....	.....	54,136
Gage & Gage Southwest	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Hibbard	.....	.....	.....	.....	.....	2	.....	.....	.....	2
Ivanhoe	.....	5,456	.....	.....	.....	.....	.....	.....	.....	5,456
Keg Coulee	.....	3,168	.....	12,624	13,176	.....	.....	.....	.....	28,968
Kelley	.....	.....	.....	.....	4,157	.....	.....	.....	.....	4,157
Kevin Sunburst	14,363	.....	.....	.....	.....	.....	.....	.....	.....	14,363
Lodge Grass	.....	802	.....	.....	.....	.....	.....	.....	.....	802
Mason Lake	.....	996	.....	.....	.....	.....	.....	.....	.....	996
Melstone	.....	.....	.....	1,363	.....	.....	.....	.....	.....	1,363
Pondera	.....	.....	.....	.....	.....	.....	23,939	.....	.....	23,939
Ragged Point	.....	.....	.....	5,789	.....	.....	.....	.....	.....	5,789
Sand Creek	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Snyder	.....	368	.....	.....	.....	.....	.....	.....	.....	368
Sumatra & Stensvad	.....	9,747	.....	63,203	.....	.....	.....	.....	.....	72,950
Tule Creek	.....	.....	.....	.....	.....	.....	.....	75,133	.....	75,133
Weed Creek	.....	.....	.....	.....	2,805	.....	.....	.....	.....	2,805
Wolf Springs	.....	.....	.....	.....	3,887	.....	.....	.....	.....	3,887
Total Montana Oil	114,189	99,468	.....	137,658	83,384	60	144,725	75,133	.....	654,617
Canadian Oil Imported	.....	450,567	.....	146,456	190,516	.....	.....	.....	.....	787,539
Wyoming Oil Imported	.....	771,049	.....	546,789	980,124	.....	.....	.....	.....	2,297,962
Total Montana, Canadian, and Wyoming Oil	114,189	1,321,084	.....	830,903	1,254,024	60	144,725	75,133	.....	3,740,118

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1970	24,878	25,744	65,351	115,973
January, 1970	23,838	12,892	73,005	109,735
January, 1971	21,116	25,404	74,128	120,648

PERCENTAGE OF CRDUE OIL REFINED

Montana	Canada	Wyoming
21.45%	22.20%	56.35%
21.72%	11.75%	66.53%
17.50%	21.06%	61.44%